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#3
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of:

Robert Siman et al.

Serial No.: 08/967,625

Group No.: Not Yet Assigned

Filed: November 12, 1997

Examiner: Not Yet Assigned



For: **METHODS FOR DETECTING CELL APOPTOSIS**

I, Paul K. Legaard, Registration No. 38,534 certify that this correspondence is being deposited with the U.S. Postal Service as First Class mail in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

On

April 24, 1998
Paul K. Legaard
Paul K. Legaard Reg. No. 38,534

Assistant Commissioner for Patents
Washington, DC 20231

Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 C.F.R. §1.56 and in accordance with 37 C.F.R. §§1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 C.F.R. §1.56(b).

- (XX) In accordance with §1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of the above identified application as set forth in §1.491, or before the mailing date of a first Office Action on the merits of the above-identified application, no additional fee is required.

- () In accordance with §1.129(a), this Information Disclosure Statement is being filed in connection with () the first or () second After Final Submission, therefore:
 - (-) Certification in Accordance with §1.97(e) is attached; or
 - () The fee of \$240.00 as set forth in §1.17(p) is attached.
- () In accordance with §1.97(c), this Information Disclosure Statement is being filed after the period set forth in §1.97(b) above but before the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311, therefore:
 - () Certification in Accordance with §1.97(e) is attached; or
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- () In accordance with §1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311 but before the payment of the Issue Fee, therefore included are: Certification in Accordance with §1.97(e); Petition Requesting Consideration of the Information Disclosure Statement; and the fee of \$130.00 as set forth in §1.17(i)(1).
- (XX) Copies of each of the references listed on the attached Form PTO-1449 are enclosed herewith.
- () Copies of references listed on the attached Form PTO-1449 are enclosed herewith EXCEPT THAT:
 - () In view of the voluminous nature of references [list as appropriate], and the likelihood that these references are available to the Examiner, copies are not enclosed herewith.
 - () In accordance with §1.98(d), copies of the following references listed on the attached Form PTO-1449 are not enclosed herewith because they were previously cited by or submitted to the U.S. Patent and Trademark Office in patent application(s) for which a claim for priority under 35 U.S.C. §120 have been made in the instant application:
 - () Copies of references [list as appropriate] listed on the attached Form PTO-1449 were previously cited by or submitted to the Patent and Trademark Office in prior application Serial No. , filed .

() If any of the foregoing publications are not available to the Examiner,
Applicant will endeavor to supply copies at the Examiner's request.

Please charge any deficiency or credit any overpayment to Deposit Account No. 23-3050.

This form is submitted in triplicate.

There are no listed references which are not in the English language.

Date:

April 24, 1998



Signature

Paul K. Legaard

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Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Docket No. CEPH-0425	Serial No. 08/967,625	JCE84 U.S. PTO 09/473619 12/29/99
		Applicant Robert Siman et al.		
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)				
	AA	Alnenui et al., "Cloning and Expression of Four Novel Isoforms of Human Interleukin-1 β Converting Enzyme with Different Apoptotic Activities", <i>J. Biol. Chem.</i> , 1995, 270(9), 4312-4317		
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	BG	Muzio et al., "FLICE, A Novel FADD-Homologous ICE/CED-3-like Protease, is Recruited to the CD95 (Fas/APO-1) Death-Inducing Signaling Complex", <i>Cell</i> , 1996, 85, 817-827	
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	BJ	Nitatori et al., "Delayed Neuronal Death in the CA1 Pyramidal Cell Layer of the Gerbil Hippocampus following Transient Ischemia is Apoptosis", <i>J. Neurosci.</i> , 1995, 15(2), 1001-1011	
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	BR	Thompson, "Apoptosis in the Pathogenesis and Treatment of Disease", <i>Science</i> , 1995, 267, 1456-1462	
	BS	Troy et al., "The contrasting roles of ICE family proteases and interleukin-1 β in apoptosis induced by trophic factor withdrawal and by copper/zinc superoxide dismutase down-regulation", <i>Proc. Natl. Acad. Sci. USA</i> , 1996, 93, 5635-5640	
	BT	Wang et al., "Ich-1, an Ice/ced-3-Related Gene, Encodes Both Positive and Negative Regulators of Programmed Cell Death", <i>Cell</i> , 1994, 78, 739-750	
	BU	Wijsman et al., "A New Method to Detect Apoptosis in Paraffin Sections: In Situ End-labeling of Fragmented DNA", <i>J. Histochem. Cytochem.</i> , 1993, 41(1), 7-12	
	BV	Woo, "Apoptosis and Loss of Renal Tissue in Polycystic Kidney Diseases", <i>N. Engl. J. Med.</i> , 1995, 333, 18-25	
	BW	Wood et al., "In Situ Labeling of Granule Cells for Apoptosis-Associated DNA Fragmentation Reveals Different Mechanisms of Cell Loss in Developing Cerebellum", <i>Neuron</i> , 1993, 11, 621-632	
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Examiner Initial		Document No.	Date	Name	Class	Subclass	
	CA	5,536,639	07/16/96	Siman et al.	435	7.1	
	CB	5,605,826	02/25/97	Wright et al.	435	226	
FOREIGN PATENT DOCUMENTS							
Examiner Initial		Document No.	Date	Country	Translation YES NO		
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